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PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	5846.005
First Inventor	William H. Hildebrand, et al.
Title	CLASS I SEQUENCE BASED TYPING OF HLA-A, -B, AND -C ALLELES BY DIRECT DNA SEQUENCING
Express Mail Label No.	EV 272909476 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Mail Stop Patent Appl.,Comm.for Patents
PO Box 1450
Alexandria, VA 22313-1450

1. [X] Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. [X] Applicant claims small entity status.
See 37 CFR 1.27.

3. [X] Specification [Total Pages 42]
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings *(if filed)*
- Detailed Description   -Redline Specification ____ pgs
- Claim(s)   -Clean Specification ____ pgs
- Abstract of the Disclosure

4. [X] Drawing(s) *(35 U.S.C. 113)* [Total Sheets 3]

5. Oath or Declaration [Total Pages 5]
 a. [ ] Newly executed (original or copy)
 b. [X] Copy from a prior application (37 CFR 1.63 (d))
 (for continuation/divisional with Box 18 completed)
  i. [ ] **DELETION OF INVENTOR(S)**
  Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. [ ] Application Data Sheet. See 37 CFR 1.76

7. [ ] CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*

8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
 a. [ ] Computer Readable Form (CRF)
 b. Specification Sequence Listing on:
  i. [ ] CD-ROM or CD-R (2 copies); or
  ii. [ ] paper
 c. [ ] Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. [ ] Assignment Papers (cover sheet & document(s))
10. [ ] 37 CFR 3.73(b) Statement *(when there is an assignee)*   [ ] Power of Attorney
11. [ ] English Translation Document *(if applicable)*
12. [X] Information Disclosure Statement (IDS)/PTO-1449   [ ] Copies of IDS Citations
13. [ ] Preliminary Amendment
14. [X] Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. [ ] Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. [ ] Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. [X] Other: Fee Det. Record (1 page)

18. This application is:

[X] Continuation   [ ] Divisional   [ ] Continuation-in-part (CIP)   of prior application No.: 09/846,826

Prior application information: Examiner John S. Brusca   Group Art Unit: 1631

[✓] As a CON, DIV, or CIP, this application contains one or more changes to (1) the specification; (2) drawings; or (3) claims in the above-identified prior application. A red-line version of the application showing these changes will be made available to the examiner upon request.

19. CORRESPONDENCE ADDRESS

[X] Customer Number or Bar Code Label   30589 *(Insert Customer No. or Attach bar code label here)*   or   [ ] Correspondence address below

Name	Dunlap, Codding & Rogers, P.C.
Address	P. O. Box 16370
	Attn: Douglas J. Sorocco

City	Oklahoma City	State	OK	Zip Code	73113
Country	USA	Telephone	(405) 607-8600	Fax	(405) 607-8686

Name (Print/Type)	Douglas J. Sorocco	Registration No. (Attorney/Agent)	43,145
Signature		Date	7·28·03

1. Utility Patent Application Transmittal (1 page); 2. Fee Transmittal (1 page) Authorizing the Commissioner to charge indicated fees of **$375.00** (for Utility Filing Fee $375.00) or any additional fee required under 37 C.F.R. 1.16 and 1.17 and/or credit any overpayments to Deposit Account Name **Dunlap, Codding & Rogers, P.C.**; 3. Patent Application Fee Det. Record (1 page); 4. Complete Application for Publication (50 Pages) (Continuation of USSN 09/846,826, filed May 1, 2001) including:(A)Specification (38 pages); (B) 6 Claims (3 pages); (C) Abstract (1 page); (D) 5 pages of Combined Declaration and Power of Attorney (from prior application); and (E) 3 sheets of formal drawings with labels identifying indicia (37 CFR 1.84 (c); 5. Information Disclosure Statement (5 pages);6. Form PTO/SB/08A (2 pages); 7. Return Postcard.

Express Mail No.:   EV 272909476 US

Date Deposited: 07/28/2003

FEE TRANSMITTAL
for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	($) 375

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	William H. Hildebrand, et al.
Examiner Name	John S. Brusca
Art Unit	1631
Attorney Docket No.	5846.005

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ ☐ None

☒ Deposit Account:

Deposit Account Number: **04-1700**

Deposit Account Name: Dunlap, Codding & Rogers, P.C. Customer No. 30589

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below   ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, **except for the filing fee** to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	375
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) ($) 375

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	6 - ** = 0	X	= $0
Independent Claims	2 - ** = 0	X	= $0
Multiple Dependent			= $0

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($) 0

**or number previously paid, if greater; For Reissues, see above*

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for *ex parte* reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ($) 0

SUBMITTED BY

			Complete (if applicable)
Name (Print/Type)	Douglas J. Sorocco	Registration No. (Attorney/Agent) 43,145	Telephone (405) 607-8600
Signature		Date	07/28/2003

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PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number

5846.005

CLAIMS AS FILED - PART I

FOR	NUMBER FILED (Column 1)		NUMBER EXTRA (Column 2)		SMALL ENTITY RATE	SMALL ENTITY FEE	OR	OTHER THAN SMALL ENTITY RATE	OTHER THAN SMALL ENTITY FEE
BASIC FEE (37 CFR 1.16(a))						$ 375	OR		$ 0
TOTAL CLAIMS (37 CFR 1.16(c))	6	minus 20 =	*	0	x $ 9 =	0	OR	x $ 18 =	0
INDEPENDENT CLAIMS (37 CFR 1.16(b))	2	minus 3 =	*	0	x 42 =	0	OR	x 84 =	0
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))				0	+ 140 =	0	OR	+ 280 =	0
* If the difference in column 1 is less then zero, enter "0" in column 2					TOTAL	375	OR	TOTAL	0

CLAIMS AS AMENDED - PART II

AMENDMENT A

	CLAIMS REMAINING AFTER AMENDMENT (Column 1)		HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)	SMALL ENTITY RATE	SMALL ENTITY ADDI-TIONAL FEE	OR	OTHER THAN SMALL ENTITY RATE	OTHER THAN SMALL ENTITY ADDI-TIONAL FEE
Total (37 CFR 1.16(c))	*	Minus	** 20	= 0	x $ 9 =	0	OR	x $ 18 =	0
Independent (37 CFR 1.16(b))	*	Minus	*** 3	= 0	x 42 =	0	OR	x 84 =	0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ 140 =	0	OR	+ 280 =	0
					TOTAL ADDIT. FEE	0	OR	TOTAL ADDIT. FEE	0

AMENDMENT B

	CLAIMS REMAINING AFTER AMENDMENT (Column 1)		HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)	SMALL ENTITY RATE	SMALL ENTITY ADDI-TIONAL FEE	OR	OTHER THAN SMALL ENTITY RATE	OTHER THAN SMALL ENTITY ADDI-TIONAL FEE
Total (37 CFR 1.16(c))	*	Minus	**	=	x $ 9 =	0	OR	x $ 18 =	0
Independent (37 CFR 1.16(b))	*	Minus	***	=	x 42 =	0	OR	x 84 =	0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ 140 =	0	OR	+ 280 =	0
					TOTAL ADDIT. FEE	0	OR	TOTAL ADDIT. FEE	0

AMENDMENT C

	CLAIMS REMAINING AFTER AMENDMENT (Column 1)		HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)	SMALL ENTITY RATE	SMALL ENTITY ADDI-TIONAL FEE	OR	OTHER THAN SMALL ENTITY RATE	OTHER THAN SMALL ENTITY ADDI-TIONAL FEE
Total (37 CFR 1.16(c))	*	Minus	**	=	x $ 9 =	0	OR	x $ 18 =	0
Independent (37 CFR 1.16(b))	*	Minus	***	=	x 42 =	0	OR	x 84 =	0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ 140 =	0	OR	+ 280 =	0
					TOTAL ADDIT. FEE	0	OR	TOTAL ADDIT. FEE	0

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

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